STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

For Official Use Only:

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 8 copies and a non-refundable filing fee of **$25.00** payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at **587-0225**. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/cwrm.

WELL LOCATION INFORMATION

1. STATE WELL NO. (if already assigned)	2. WELL NAME	3. ISLAND	4. TMK
			____ - ____ - ____ : ____ (zone - sec - plat : parc)

The following be attached before this application is accepted as complete (check off if attached):
- ☐ Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
- ☐ Property tax map, showing well location referenced to established property boundaries
- ☐ Photograph of the proposed well site
- ☐ A schematic diagram showing the well site, access road and proposed well infrastructure (if applicable)

5. WELL OPERATOR'S NAME/COMPANY	Well Operator's Contact	6. LANDOWNER'S NAME/COMPANY	Landowner's Contact

Well Operator's Mailing Address	Landowner's Mailing Address

Well Operator's Phone	Well Operator's Fax	Well Operator's E-mail	Landowner's Phone	Landowner's Fax	Landowner's E-mail

7. Have you consulted with the Historic Preservation Division of the Department of Land and Natural Resources regarding potential impacts of well construction activities on historic sites?
- ☐ Yes (please attach applicable documentation from Historic Preservation)
- ☐ No (attach a short description of history of past land use)

PROPOSED WELL CONSTRUCTION

8. Proposed Work
- ☐ Construct New Well
- ☐ Modify Existing Well
- ☐ Abandon/Seal Well

9. Construction Type
- ☐ Drilled
- ☐ Dug
- ☐ Shaft
- ☐ Tunnel

10. Is this well part of a battery of wells? ☐ Yes ☐ No

PROPOSED PUMP INSTALLATION

11. Proposed Work
- ☐ Install New Pump
- ☐ Replace Pump

12. Proposed Pumping Rate, gpm (gallons per minute)

13. Proposed Amount of Withdrawal, gpd (gallons per day)

14. Method of flow measurement
- ☐ Flowmeter
- ☐ Open Pipe
- ☐ Weir
- ☐ Orifice
- ☐ Other (explain)

15. **Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)**

PROPOSED USE

- ☐ 16. Municipal (water systems serving greater than 25 individuals or 15 service connections)
- ☐ 17. Domestic Number of units to be served: _____
- ☐ 18. Industrial (describe)
- ☐ 19. Irrigation (describe crop and no. of acres)
- ☐ 20. Military (describe)
- ☐ 21. Other (describe)

OTHER LEGAL REQUIREMENTS *If required, items 22. and 23. must be obtained before the Commission can legally issue a permit:*

22. Conservation District Use Permit (CDUP)
- ☐ Required, CDUP # _____ date approved _____
- ☐ Not Required (attach documentation from OCCL)

23. Special Management Area Permit (SMAP)
- ☐ Required, SMA # _____ date approved _____
- ☐ Not Required (attach documentation from applicable County agency)

Additional remarks, explanations, etc. (attach additional sheet if more space is needed)

NOTE: Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that upon permit approval: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within **60** days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $5000/day.

24. WELL DRILLER (**Must** be filled out if application is for Well Construction)

Licensee business name _____ C-57 License No. _____

Signature _____ Print _____ Date _____

Address _____

Phone _____ Fax _____ E-mail _____

25. PUMP INSTALLER (**Must** be filled out if application is for Pump Installation)

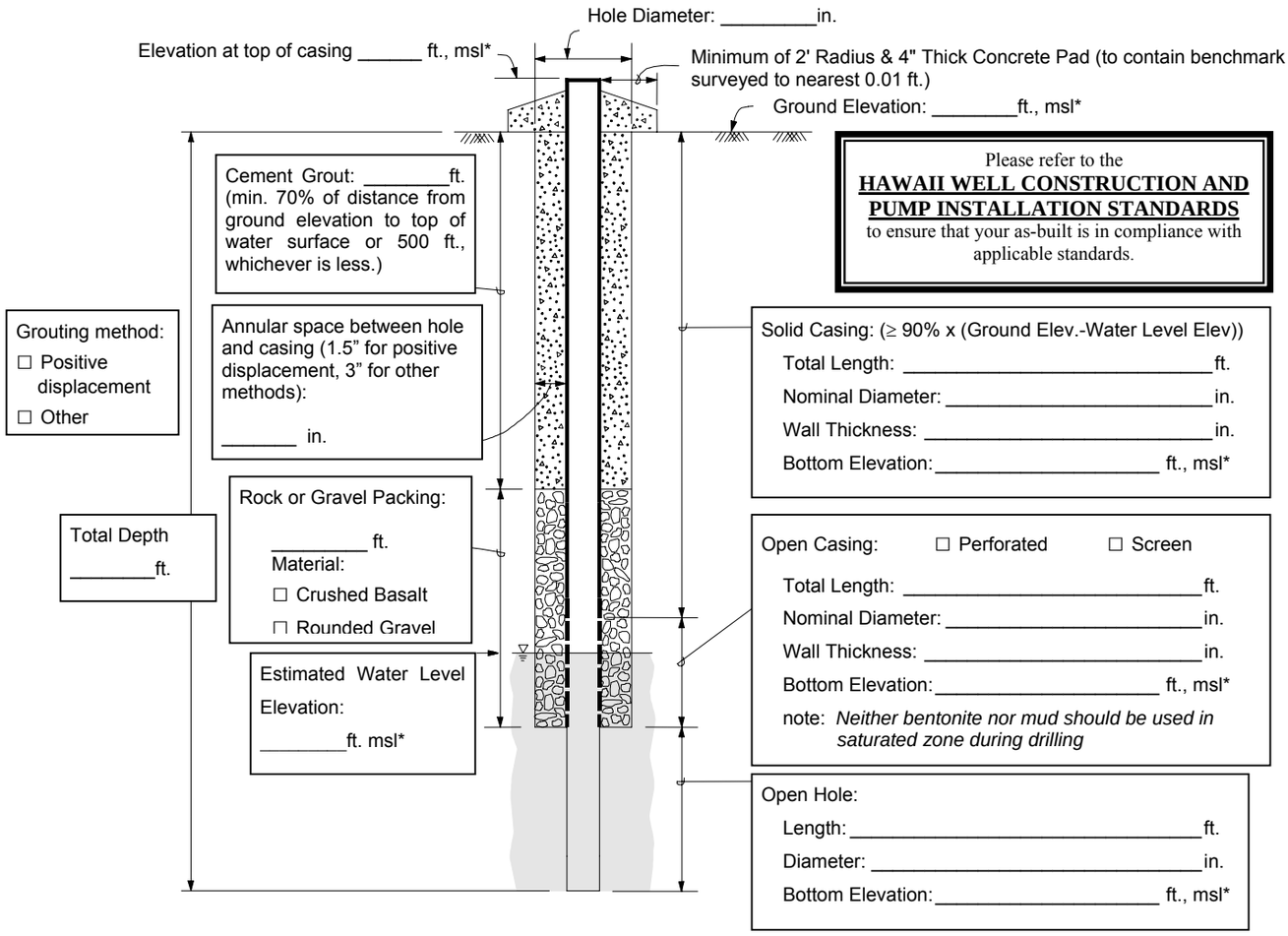
Licensee business name _____ C-57/C-57a/A License No. _____

Signature _____ Print _____ Date _____

Address _____

Phone _____ Fax _____ E-mail _____

PROPOSED WELL SECTION *(Please attach schematic if different from diagram provided below)*



* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

$$\text{Bottom Elevation of Well Limit} = \left(\text{Water Elevation} - \frac{41 \times \text{Water Level Elevation}}{4}\right)$$

Example: Estimated + 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = $\left(2 - \frac{41 \times (2)}{4}\right) = -18.5$ ft.

Solid Casing Material:

Carbon Steel: compliant with (check one or more): ☐ ANSI/AWWA C200 ☐ API Spec. 5L ☐ ASTM A53 ☐ ASTM A139
And compliant with (check one or more): ☐ ASTM A242 (or A606) ☐ Type E ☐ Type S ☐ Grade B ☐ Other
Stainless Steel: (check one): ☐ ASTM A409 (production wells) ☐ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) ☐ Schedule 40 ☐ Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): ☐ Schedule 40 ☐ Schedule 80 ☐ Schedule 120
Thermoset Plastic: (check one)
☐ Filament Wound Resin Pipe conforming to ASTM D2996
☐ Centrifugally Cast Resin Pipe conforming to ASTM D2997
☐ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
☐ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
☐ PTFE Fluorocarbon Tubing conforming to ASTM D3296
☐ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

Carbon Steel: compliant with (check one or more): ☐ ANSI/AWWA C200 ☐ API Spec. 5L ☐ ASTM A53 ☐ ASTM A139
And compliant with (check one or more): ☐ ASTM A242 (or A606) ☐ Type E ☐ Type S ☐ Grade B ☐ Other
Stainless Steel: (check one): ☐ ASTM A409 (production wells) ☐ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one) ☐ Schedule 40 ☐ Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): ☐ Schedule 40 ☐ Schedule 80 ☐ Schedule 120
Thermoset Plastic: (check one)
☐ Filament Wound Resin Pipe conforming to ASTM D2996
☐ Centrifugally Cast Resin Pipe conforming to ASTM D2997
☐ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
☐ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
☐ PTFE Fluorocarbon Tubing conforming to ASTM D3296
☐ FEP Fluorocarbon Tubing conforming to ASTM D3296